

Product Specifications

2-18GHz Penetration jamming equipment

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1 Product Appearance



2 Product Overview

Current advanced air defense systems are integrated with advanced radar detection systems, which can conduct all-round and multi-level monitoring and interception of incoming targets. To address this scenario and improve the attack effectiveness and survival rate of its own missiles in conflicts, the application of Penetration Jamming equipment is a highly strategic means. The penetration jammer is installed at the nose of the drone, covering the S, C, X and Ku bands. It can adapt to complex and changeable electromagnetic environments, flexibly adjust the jamming frequency band according to actual conditions and transmit it, which greatly improves the survival rate of its own drone during flight and wins more initiative for military confrontation.

3 Application Scenarios

In a penetration jamming scenario, mount the device on the drone's nose and preset the jamming parameters based on intelligence. This equipment creates blind spots in enemy radar systems through jamming technologies, enabling the drone to penetrate into enemy territory under the cover of its own jamming system. It utilizes onboard warheads to destroy radar facilities within the enemy's deep combat zone.

In an escort jamming scenario, mount the device on the drone's nose and preset

the jamming parameters based on intelligence. The jamming drone with the device will form a formation with multiple penetration aircraft equipped with warheads. By jamming the enemy's radar, the device creates a radar blind zone for the entire combat formation, covering the penetration aircraft as they close in and helping the formation complete the strike.

4 Product Functions

- 1) Supports manual intervention, pre-loading of jamming parameters, and jamming release;
- 2) Supports the generation of various jamming signals and can produce combined jamming patterns;
- 3) Supports equipment self-check function;

5 Product Specifications

1	Frequency Range	2-18GHz (Customizable)
2	Instantaneous Working Bandwidth	$\geq 1\text{GHz}$ (Customizable)
3	Beam Coverage	Azimuth $60^\circ \times$ Elevation 60° (Customizable)
4	Receiving System Sensitivity	$\geq -65\text{dBm}$
5	Effective Radiated Power	$\geq 1000\text{W}$ (Customizable, with different PA)
6	Frequency Measurement Accuracy	$\leq 1\text{MHz}$ (R.M.S)
7	Jamming Patterns	Noise Jamming Deception Jamming Combined Jamming
8	Applicable Radar Signal Density	$\geq 500,000$ pulses/second
9	Host Dimensions	\leq Length 194mm \times Width 112mm \times Height 135 mm; (Can be adjusted according to actual installation space)
10	Host Weight	$\leq 3\text{kg}$

6 Product List

Serial Num.	Name	Quantity	Unit
1	Antenna	2	pc

Serial Num.	Name	Quantity	Unit
2	Host	1	pc
3	Packing Case and Cables	1	set